| Name: <br> Date: <br> Tools: one Logifaces Set / 2-3 pairs or 4-6 students | 539 - Angle of Planes <br> MATHS / TRIGONOMETRY | LOGIFACES METHODOLOGY <br> Erasmus+ STUDENT <br> Logifaces <br> 2019-1-HU01-KA201-0612722019-1 |
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| DESCRIPTION <br> In the 9 pcs or 16 pcs Set students cho blocks 123 and 132) and calculate the Take a triangle $A B C$ on one of the two intersecting pla the other plane. If the angle of inclination $A(A B C)$ denote the areas of the triangle <br> LEVEL 1 Using the given formula triangles in block 123 or <br> LEVEL 2 Students calculate the 132 without knowing the symmetry of the block. <br> LEVEL 3 Students prove the formula | those blocks whose vertical edges h le between the planes of the base an and let $A_{1} B_{1} C_{1}$ be the perpendicular of the two planes is $\alpha$, then $\cos (\alpha)=$ <br> dents calculate the angle between <br> e between the planes of the base and rmula, using their knowledge about $\cos (\alpha)=\frac{A\left(A_{1} B_{1} C_{1}\right)}{A(A B C)} .$ | ifferent lengths (these are triangles. <br> tion of the triangle $A B C$ to $\frac{\left.B_{1}\right)}{}$, where $A\left(A_{1} B_{1} C_{1}\right)$ and anes of the base and top triangles in block 123 or between planes and the |

